



01/24/02

JC887 U.S. PTO

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PTO/SB/05 (11-00)

Approved for use through 10/31/2002 OMB 0651-0032  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|                        |  |
|------------------------|--|
| Attorney Docket No.    | UNMC-84090   |
| First Inventor         | Ji Zhang   |
| Title                  | Methods and System for analysis and Visualization of Multidimen... |
| Express Mail Label No. | EL854677613US  |

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 56]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 24]
5. Oath or Declaration [Total Pages ]  
 a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6.  Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76

 Continuation    Divisional    Continuation-in-part (CIP)   of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group / Art Unit \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

|  |   |
|--|---|
| <input type="checkbox"/> Customer Number or Bar Code Label | or <input checked="" type="checkbox"/> Correspondence address below |
| (Insert Customer No. or Attach bar code label here)        |   |

|         |   |           |                |          |                |
|---------|---|-----------|----------------|----------|----------------|
| Name    | Shannon L. Nebolsky<br>WELSH & KATZ, LTD. |           |                |          |                |
| Address | 120 S. Riverside Plaza<br>22nd Floor      |           |                |          |                |
| City    | Chicago                                   | State     | Illinois       | Zip Code | 60606          |
| Country | USA                                       | Telephone | (312) 655-1500 | Fax      | (312) 655-1501 |

|                   |                     |                                   |        |
|-------------------|---------------------|-----------------------------------|--------|
| Name (Print/Type) | Shannon L. Nebolsky | Registration No. (Attorney/Agent) | 41,217 |
| Signature         |                     |                                   |        |
| Date              | January 24, 2002    |                                   |        |

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT \$500.00

## Complete if Known

|                      |                        |
|----------------------|------------------------|
| Application Number   | New Patent Application |
| Filing Date          | January 24, 2002       |
| First Named Inventor | Ji Zhang               |
| Examiner Name        | Unknown                |
| Group Art Unit       | Unknown                |
| Attorney Docket No.  | UNMC-84090             |

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to  
 Deposit Account Number **23-0920**
- Deposit Account Name **Welsh & Katz, Ltd.**
- Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17
- Applicant claims small entity status. See 37 CFR § 1.27

2.  Payment Enclosed:  
 Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description        | Fee Paid      |
|----------------------------|----------------------------|------------------------|---------------|
| 101 740                    | 201 370                    | Utility filing fee     | <b>370.00</b> |
| 106 330                    | 206 165                    | Design filing fee      |               |
| 107 510                    | 207 255                    | Plant filing fee       |               |
| 108 740                    | 208 370                    | Reissue filing fee     |               |
| 114 160                    | 214 80                     | Provisional filing fee |               |
| <b>SUBTOTAL (1)</b>        |                            | <b>\$370.00</b>        |               |

## 2. EXTRA CLAIM FEES

| Total Claims         | Extra Claims | Fee from below | Fee Paid |
|----------------------|--------------|----------------|----------|
| 10                   | -20** =      | 0 X 9.00 =     | 0.00     |
| Independent Claims 2 | -3** =       | 0 X 42.00 =    | 0.00     |
| Multiple Dependent   |              |                |          |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  |
|----------------------------|----------------------------|--|
| 103 18                     | 203 9                      | Claims in excess of 20                                     |
| 102 84                     | 202 42                     | Independent claims in excess of 3                          |
| 104 280                    | 204 140                    | Multiple dependent claim, if not paid                      |
| 109 84                     | 209 42                     | ** Reissue independent claims over original patent         |
| 110 18                     | 210 9                      | ** Reissue claims in excess of 20 and over original patent |
| <b>SUBTOTAL (2)</b>        |                            | <b>\$0.00</b>  |

\*\*or number previously paid, if greater; For Reissues, see above

| 3. ADDITIONAL FEES   | Fee Description            | Fee Paid   |
|--|----------------------------|--|
| Large Entity Fee Code (\$)                                     | Small Entity Fee Code (\$) |  |
| 105 130  | 205 65                     | Surcharge - late filing fee or oath  |
| 127 50   | 227 25                     | Surcharge - late provisional filing fee or cover sheet                     |
| 139 130  | 139 130                    | Non - English specification  |
| 147 2,520  | 147 2,520                  | For filing a request for ex parte reexamination                            |
| 112 920*   | 112 920*                   | Requesting publication of SIR prior to Examiner action                     |
| 113 1,840*   | 113 1,840*                 | Requesting publication of SIR after Examiner action                        |
| 115 110  | 215 55                     | Extension for reply within first month                                     |
| 116 400  | 216 200                    | Extension for reply within second month                                    |
| 117 920  | 217 460                    | Extension for reply within third month                                     |
| 118 1,440  | 218 720                    | Extension for reply within fourth month                                    |
| 128 1,960  | 228 980                    | Extension for reply within fifth month                                     |
| 119 320  | 219 160                    | Notice of Appeal   |
| 120 320  | 220 160                    | Filing a brief in support of an appeal                                     |
| 121 280  | 221 140                    | Request for oral hearing   |
| 138 1,510  | 138 1,510                  | Petition to institute a public use proceeding                              |
| 140 110  | 240 55                     | Petition to revive - unavoidable   |
| 141 1,280  | 241 640                    | Petition to revive - unintentional   |
| 142 1,280  | 242 640                    | Utility issue fee (or reissue)   |
| 143 460  | 243 230                    | Design issue fee   |
| 144 620  | 244 310                    | Plant issue fee  |
| 122 130  | 122 130                    | Petitions to the Commissioner  |
| 123 50   | 123 50                     | Processing fee under 37 CFR § 1.17(q)                                      |
| 126 180  | 126 180                    | Submission of Information Disclosure Statement                             |
| 581 40   | 581 40                     | Recording each patent assignment per property (times number of properties) |
| 146 740  | 246 370                    | Filing a submission after final rejection (37 CFR § 1.129(a))              |
| 149 740  | 249 370                    | For each additional invention to be examined (37 CFR § 1.129(b))           |
| 179 740  | 279 370                    | Request for Continued Examination (RCE)                                    |
| 169 900  | 169 900                    | Request for expedited examination of a design application                  |
| Other fee (specify) <u>Petition under 37 C.F.R. 1.84(a)(2)</u> |                            | 130.00   |

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

\$130.00

## SUBMITTED BY

| Name (Print/Type) | Shannon L. Nebolsky, Esq.   | Registration No.<br>(Attorney/Agent) | 41,217 | Telephone        | (312) 655-1500 |
|-------------------|---|--------------------------------------|--------|------------------|----------------|
| Signature         |  |                                      | Date   | January 24, 2002 |                |

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**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Ji Zhang and Li Xiao

Docket No.

84090

Serial No.  
Not yet assignedFiling Date  
January 24, 2002Examiner  
Not yet assignedGroup Art Unit  
Not yet assgndInvention: **METHOD AND SYSTEM FOR ANALYSIS AND VISUALIZATION OF MULTIDIMENTIONAL DATA**

I hereby certify that this Utility Patent Appln, Transmital Ltr, its stated encls and Preliminary Amendment  
*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under  
37 CFR 1.10 in an envelope addressed to: The Commissioner of Patents and Trademarks, Washington, D.C.

420231-0001 on January 24, 2002  
*(Date)*James Cato*(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)*EL854677613US*("Express Mail" Mailing Label Number)*

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**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

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84090

|                                |                                 |                              |                                  |
|--------------------------------|---------------------------------|------------------------------|----------------------------------|
| Serial No.<br>Not yet assigned | Filing Date<br>January 24, 2002 | Examiner<br>Not yet assigned | Group Art Unit<br>Not yet assgnd |
|--------------------------------|---------------------------------|------------------------------|----------------------------------|

Invention: **METHOD AND SYSTEM FOR ANALYSIS AND VISUALIZATION OF MULTIDIMENTIONAL DATA**

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20231-0001 on January 24, 2002  
(Date)

**James Cato**

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

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